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CLAIM AMENDMENTS

A method of machining a hollow (currently amended) 1 metal workpiece having a plurality of small-diameter throughgoing 2 holes and at least one large-diameter hole port, the method 3 comprising the steps of: picking up from a transfer station by a grab [[a]] the hollow workpiece and displacing the workpiece from the transfer 6 station to a machining station; 7 thereafter, while holding the workpiece in the machining station with the grab, a) engaging a tool from outside with a first 10 exterior surface of the workpiece and thereby finishing the first exterior 12 surface: b) reorienting the workpiece by the grab and engaging a second tool with a second exterior surface of the workpiece offset from the first exterior surface and thereby finishing the second exterior 18 surface: c) fitting another a third tool through the 20 large-diameter holes port of the workpiece and positioning the [[other]] third tool 22 inside the workpiece adjacent one of the 23

small-diameter holes;

25	d) coupling a drive spindle through the one
26	small-diameter holes hole of the workpiece
27	with the [[other]] third tool and
28	machining an inner surface of the
29	workpiece adjacent the one small-diameter
30	holes hole with the [[other]] third tool;
31	and
32	e) repeating steps b), c), and d) to finish
33	another interior surface of the workpiece
34	adjacent another of the small-diameter
35	holes; and
36	displacing the workpiece from the machining station back
37	to the transfer station and releasing it from the grab.

- 2. (currently amended) The machining method defined in
 claim 1 wherein the <u>first and second</u> exterior surfaces are <u>both</u>
 surfaces of the small-diameter holes.
- 3. (currently amended) The machining method defined in claim 2 wherein the surfaces of the small-diameter holes are generally cylindrical.
- 4. (currently amended) The machining method defined in claim 1 wherein in step b) the workpiece is positioned by being rotated about an axis through about 90°.

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- 5. (currently amended) The machining method defined in claim 1, further comprising the step during step d) of engaging a tailstock through another of the small-diameter holes with the [[other]] third tool after coupling of the [[other]] third tool to the drive spindle to brace the [[other]] third tool.
- 6. (withdrawn; currently amended) An apparatus for
 machining a hollow metal workpiece having a plurality of smalldiameter throughgoing holes and at least one large-diameter holes
 port to produce a part having a plurality of finished exterior and
 interior surfaces, the apparatus comprising:
- means including a grab for picking up from a transfer
 station the hollow workpiece and displacing the workpiece from the
 transfer station to a machining station;
 - means including a <u>first</u> tool engageable with a first exterior surface of the workpiece in the grab <u>and in the machining</u> station for finishing the first exterior surface;
- drive means connected to the grab and for reorienting the
 workpiece in the machining station and engaging [[the]] a second
 tool with a second exterior surface of the workpiece offset from
 the first exterior surface and thereby finishing the second
 exterior surface;
- means including for fitting another a third tool through
 the large-diameter holes port of the workpiece and positioning the

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grab.

[[other]] third tool inside the workpiece adjacent one of the small-diameter holes;

means including a drive spindle engageable through the one small-diameter hole of the workpiece for coupling the spindle to the [[other]] third tool and machining an inner surface of the workpiece adjacent the one small-diameter holes hole with the [[other]] third tool; and means for displacing the workpiece from the machining station back to the transfer station and releasing it from the

- 7. (withdrawn; currently amended) The machining apparatus defined in claim 6, further comprising
- a tailstock engageable through another of the small
 diameter holes with the [[other]] third tool after coupling of the

 other tool to the drive spindle to brace the [[other]] third tool.
- 8. (withdrawn) The machining apparatus defined in claim
 7 wherein the tailstock is displaceable parallel to a rotation axis
 of the spindle.
- 9. (withdrawn) The machining apparatus defined in claim
 6 wherein the tools are all rotatable about parallel axes, the
 means including the grab further including:
- a main slide displaceable perpendicular to the rotation axes; and

- a carriage displaceable on the main slide parallel to the rotation axes and carrying the grab.
- 1 10. (new) The machining apparatus defined in claim 1,
- further comprising after step b) and before step c) the step of:
- b') shifting the workpiece from the first-mentioned
- machining station to a second machining station offset therefrom by
- means of the grab;
- step c) being carried out in the second machining station, the
- workpiece being displaced after step d) from the second machining
- station back to the transfer station.